

Listing and Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) Method for registering a device in a wireless network comprising a central ~~access point wherein it comprises the steps of~~ controller, comprising:

~~—sending an identification code from the device to the access point;~~
(a) asking a user, through a user interface, whether he wants to install a new network or install said device on an existing network, and ,in case the user wants to install a new network:

(b) asking the user to enter a PIN code, said entered PIN code becoming the PIN code of the new network;

(c) generating an authentication key which becomes the authentication key of the new network; and

(d) the device becoming the central controller of the new network, in case the device is to be installed on an existing network:

(e) asking the user to enter a PIN code;

~~[[—]]~~ (f) checking by said central ~~access point~~ controller whether the received identification entered PIN code corresponds to an identification a PIN code ~~stored by said central access point~~ of the network and if such checking is positive, sending an authentication key of the network from said ~~access point~~ central controller to said device; and

~~—storage of~~ (g) storing said authentication key by said device for use in authentication procedures between said device and said ~~access point~~ central controller.

2. Cancelled

3. Cancelled

4. Cancelled

5. Cancelled

6. (New) Method according to claim 1, wherein the authentication key generated at step (c) is generated by a random generator.

7. (New) Method according to claim 1, wherein the authentication key generated at step (c) is the result of a function depending on a device identifier and on said PIN code of the network.

8. (New) Method according to claim 1, wherein said authentication key of the network is encrypted using a secret session key before being sent to said device, the secret session key being previously negotiated between said device and said central controller.

9. (New) Method for registering a device in a wireless network comprising a central controller, comprising:

- (a) asking a user, through a user interface, whether he wants to install a new network or to install the device on an existing network; and in case the user wants to install a new network:

- (b) asking the user to enter a PIN code, said entered PIN code becoming the PIN code of the network; and

- (c) the device becoming the central controller of the network;

in case the device is to be installed on an existing network:

- (d) asking the user to enter a PIN code;

- (e) said device sending said PIN code and a device identifier to said central controller;

- (f) checking by said central controller whether the entered PIN code corresponds to a PIN code of the network and, if such checking is positive, generating an authentication key and sending said authentication key from said central controller to said device; and

- (g) storing said authentication key in said device for use in authentication procedures between said device and said central controller.

10. (New) Method according to claim 9, wherein the authentication key generated at step (f) is the result of a function depending on a device identifier and on said PIN code of the network.

11. (New) Method according to claim 9, wherein said authentication key of the network is encrypted using a secret session key before being sent to said device, the secret session key being previously negotiated between said device and said central controller.